Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (previously presented) A glass matrix composition for a high operating temperature sealed assembly in ceramic electrolyte electrochemical conversion devices, consisting essentially by mol percent of:

$56 < SiO_2 < 75$;

$11 < BaO < 30$; and

$2 < MgO < 14$, said composition having the characteristics of being chemically resistant to oxidizing and reducing conditions encountered in sealing solid oxide fuel cells.

2. (currently amended) ~~The~~ A glass matrix composition for a high operating temperature sealed assembly in ceramic electrolyte electrochemical conversion devices, consisting essentially by mol percent of:

$60 < SiO_2 < 75$;

$15 < BaO < 20$; and

$7.5 < MgO < 12.5$.

3. (previously presented) A glass matrix-ceramic particulate composite consisting essentially by mol percent overall of about:

$55 < SiO_2 < 65$;

$5 < BaO < 15$;

$25 < MgO < 35$; and

a forsterite phase consisting of Mg_2SiO_4.

4. (previously presented) The glass matrix-ceramic particulate composite of claim 3, consisting essentially by mol percent overall of about:

$57 < SiO_2 < 63$;

$7 < BaO < 13$;

$27 < MgO < 33$; and

a forsterite phase consisting of Mg_2SiO_4.

5. (cancelled)

6. (previously presented) The glass matrix-ceramic particulate composite of claim 3, consisting essentially by mol percent overall of:

$55 < SiO_2 < 65$;

$5 < (BaO + SrO) < 15$; and

$25 < MgO < 35$.

7-20. (cancelled)